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UTILITY  
PATENT APPLICATION  
TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

|                        |  |
|------------------------|--|
| Attorney Docket No.    | 030491   |
| First Inventor         | Lee M. Pike, Jr.                                       |
| Title                  | AGE-HARDENABLE, CORROSION<br>RESISTANT Ni-Cr-Mo ALLOYS |
| Express Mail Label No. | EV 256983950 US  |

## APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

## ADDRESS TO:

Commissioner for Patents  
Mail Stop Patent Application  
P.O. Box 1450  
Alexandria VA 22313-145003945 U.S. PTO  
10/656010

09/05/03

1. ☒ Fee Transmittal Form (e.g., PTO/SB/17)  
(Submit an original and a duplicate for fee processing)
2. ☐ Applicant claims small entity status.  
See 37 CFR 1.27.
3. ☒ Specification [Total Pages 27]  
(preferred arrangement set forth below)
  - Descriptive title of the invention
  - Cross Reference to Related Applications
  - Statement Regarding Fed sponsored R & D
  - Reference to sequence listing, a table, or a computer program listing appendix
  - Background of the Invention
  - Brief Summary of the Invention
  - Brief Description of the Drawings (if filed)
  - Detailed Description
  - Claim(s)
  - Abstract of the Disclosure
4. ☒ Drawing(s) (35 U.S.C. 113) [Total Sheets 1]
5. Oath or Declaration [Total Sheets 2]
  - a. ☒ Newly executed (original or copy)
  - b. ☐ Copy from a prior application (37 CFR 1.63(d))  
(for continuation/divisional with Box 18 completed)
  - i. ☐ DELETION OF INVENTOR(S)  
Signed statement attached deleting inventor(s) name in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).
6. ☐ Application Data Sheet. See 37 CFR 1.76

7. ☐ CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)
8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)
  - a. ☐ Computer Reader Form (CRF)
  - b. Specification Sequence Listing on:
    - i. ☐ CD-ROM or CD-R (2 copies); or
    - ii. ☐ Paper
  - c. ☐ Statements verifying identity of above copies

## ACCOMPANYING APPLICATION PARTS

9. ☐ Assignment Papers (cover sheet & document(s))
10. ☐ 37 CFR 3.73(b) Statement ☐ Power of Attorney  
(when there is an assignee)
11. ☐ English Translation Document (if applicable)
12. ☒ Information Disclosure ☒ Copies of IDS  
Statement (IDS)/PTO-1499 Citations
13. ☐ Preliminary Amendment
14. ☒ Return Receipt Postcard (MPEP 503)  
(Should be specifically itemized)
15. ☐ Certified Copy of Priority Document(s)  
(if foreign priority is claimed)
16. ☐ Nonpublication Request under 35 U.S.C. 122  
(b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.
17. ☐ Other: .....

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in the first sentence of the specification following the title, or in an Application Data Sheet under 37 CFR 1.76:

☐ Continuation    ☐ Divisional    ☐ Continuation-in-part (CIP)    of prior application No.: .....

Prior application information:

Examiner

Art Unit:

For CONTINUATION OF DIVISIONAL APPS only; The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

## 19. CORRESPONDENCE ADDRESS

☒ Customer Number or Bar Code LabelOR ☒ Correspondence address below

|                   |   |           |                                   |          |          |
|-------------------|---|-----------|-----------------------------------|----------|----------|
| Name              | Lynn J. Alstadt                                 |           |                                   |          |          |
| Address           | Buchanan Ingersoll, P.C.                        |           |                                   |          |          |
|                   | One Oxford Centre, 301 Grant Street, 20th Floor |           |                                   |          |          |
| City              | Pittsburgh                                      | State     | PA                                | Zip Code | 15219    |
| Country           | USA   | Telephone | 412-562-1632                      | Fax      | 562-1041 |
| Name (Print/Type) | Lynn J. Alstadt                                 |           | Registration No. (Attorney/Agent) | 29,362   |          |
| Signature         | <i>Lynn J. Alstadt</i>                          |           | Date                              | 09/05/03 |          |

This collection of information is required by 37 CFR 1.53(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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09/05/03

17236 U.S. PTO

PTO/SB/17 (01-03)

Approved for use through 04/30/2003. OMB 0651-0032

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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# FEE TRANSMITTAL for FY 2003

Effective 01/01/2003. Patent fees are subject to annual revision.

☐ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$ 750.00

## Complete if Known

Application Number  
Filing Date  
First Named Inventor Lee M. Pike, Jr.  
Examiner Name  
Art Unit  
Attorney Docket No. 030491

## METHOD OF PAYMENT (check all that apply)

☒ Check ☐ Credit card ☐ Money Order ☐ Other ☐ None☐ Deposit Account:Deposit Account Number  
Deposit Account Name

02-4553

Buchanan Ingersoll

The Commissioner is authorized to: (check all that apply)

☐ Charge fee(s) indicated below ☒ Credit any overpayments☒ Charge any additional fee(s) during the pendency of this application☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

## FEE CALCULATION

## 1. BASIC FILING FEE

| Large Entity Fee Code (\$) | Small Entity Fee Code (\$) | Fee Description        | Fee Paid   |
|----------------------------|----------------------------|------------------------|------------|
| 1001 750                   | 2001 375                   | Utility filing fee     | 750        |
| 1002 330                   | 2002 165                   | Design filing fee      |            |
| 1003 520                   | 2003 260                   | Plant filing fee       |            |
| 1004 750                   | 2004 375                   | Reissue filing fee     |            |
| 1005 160                   | 2005 80                    | Provisional filing fee |            |
| SUBTOTAL (1)               |                            |                        | (\$ 750.00 |

## 2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

Total Claims 18  
Independent Claims 3  
Multiple Dependent Claims  
Extra Claims Fee from below  
-20\*\* = 0 X  
-3\*\* = 0 X  
Fee Paid

| Large Entity Fee Code (\$) | Small Entity Fee Code (\$) | Fee Description  |
|----------------------------|----------------------------|--|
| 1202 18                    | 2202 9                     | Claims in excess of 20                                     |
| 1201 84                    | 2201 42                    | Independent claims in excess of 3                          |
| 1203 280                   | 2203 140                   | Multiple dependent claim, if not paid                      |
| 1204 84                    | 2204 42                    | ** Reissue independent claims over original patent         |
| 1205 18                    | 2205 9                     | ** Reissue claims in excess of 20 and over original patent |

SUBTOTAL (2) (\$)

\*\*or number previously paid, if greater; For Reissues, see above

## FEE CALCULATION (continued)

## 3. ADDITIONAL FEES

Large Entity Small Entity

| Fee Code (\$) | Fee Code (\$) | Fee Code (\$) | Fee Code (\$) | Fee Description  | Fee Paid |
|---------------|---------------|---------------|---------------|--|----------|
| 1051 130      | 2051 65       | 1052 50       | 2052 25       | Surcharge - late filing fee or oath  |          |
| 1053 130      | 2053 130      | 1812 2,520    | 2,520         | Surcharge - late provisional filing fee or cover sheet                     |          |
| 1812 2,520    | 2,520         | 1804 920*     | 920*          | Non-English specification  |          |
| 1804 920*     | 920*          | 1805 1,840*   | 1,840*        | For filing a request for ex parte reexamination                            |          |
| 1805 1,840*   | 1,840*        | 1251 110      | 2251 55       | Requesting publication of SIR prior to Examiner action                     |          |
| 1251 110      | 2251 55       | 1252 410      | 2252 205      | Requesting publication of SIR after Examiner action                        |          |
| 1252 410      | 2252 205      | 1253 930      | 2253 465      | Extension for reply within first month                                     |          |
| 1253 930      | 2253 465      | 1254 1,450    | 2254 725      | Extension for reply within second month                                    |          |
| 1254 1,450    | 2254 725      | 1255 1,970    | 2255 985      | Extension for reply within third month                                     |          |
| 1255 1,970    | 2255 985      | 1401 320      | 2401 160      | Extension for reply within fourth month                                    |          |
| 1401 320      | 2401 160      | 1402 320      | 2402 160      | Extension for reply within fifth month                                     |          |
| 1402 320      | 2402 160      | 1403 280      | 2403 140      | Notice of Appeal   |          |
| 1403 280      | 2403 140      | 1451 1,510    | 1451 1,510    | Filing a brief in support of an appeal                                     |          |
| 1451 1,510    | 1451 1,510    | 1452 110      | 2452 55       | Request for oral hearing   |          |
| 1452 110      | 2452 55       | 1453 1,300    | 2453 650      | Petition to institute a public use proceeding                              |          |
| 1453 1,300    | 2453 650      | 1501 1,300    | 2501 650      | Petition to revive - unavoidable   |          |
| 1501 1,300    | 2501 650      | 1502 470      | 2502 235      | Petition to revive - unintentional   |          |
| 1502 470      | 2502 235      | 1503 630      | 2503 315      | Utility issue fee (or reissue)   |          |
| 1503 630      | 2503 315      | 1460 130      | 1460 130      | Design issue fee   |          |
| 1460 130      | 1460 130      | 1807 50       | 1807 50       | Plant issue fee  |          |
| 1807 50       | 1807 50       | 1806 180      | 1806 180      | Petitions to the Commissioner  |          |
| 1806 180      | 1806 180      | 8021 40       | 8021 40       | Processing fee under 37 CFR 1.17(q)  |          |
| 8021 40       | 8021 40       | 1809 750      | 2809 375      | Submission of Information Disclosure Stmt                                  |          |
| 1809 750      | 2809 375      | 1810 750      | 2810 375      | Recording each patent assignment per property (times number of properties) |          |
| 1810 750      | 2810 375      | 1801 750      | 2801 375      | Filing a submission after final rejection (37 CFR 1.129(a))                |          |
| 1801 750      | 2801 375      | 1802 900      | 1802 900      | For each additional invention to be examined (37 CFR 1.129(b))             |          |
| 1802 900      | 1802 900      |               |               | Request for Continued Examination (RCE)                                    |          |
|               |               |               |               | Request for expedited examination of a design application                  |          |

Other fee (specify)

\*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$)

## SUBMITTED BY

Name (Print/Type) Lynn J. Alstadt  
Registration No. (Attorney/Agent) 29,362  
Telephone 412-562-1632  
Signature [Signature]  
Date 09/05/03

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

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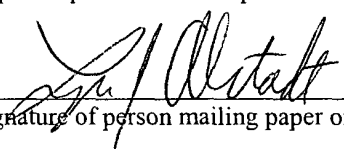
|  |   |  |
|--|---|--|
| CERTIFICATE OF MAILING BY "EXPRESS MAIL" UNDER<br>37 CFR 1.10 - SEPARATE PAPER |   | ATTORNEY'S DOCKET NO.<br><br><b>030491</b> |
|  | IN RE APPLICATION OF<br><br>Lee M. Pike, Jr.                  |  |
|  | SERIAL NUMBER   | FILED                                      |
|  | FOR<br>AGE-HARDENABLE, CORROSION RESISTANT Ni-Cr-Mo<br>ALLOYS |  |
|  | GRP. ART UNIT   | EXAMINER                                   |

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Date of deposit: **September 5, 2003**

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Lynn J. Alstadt  
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